

Monday

The Daily Universe

Brigham Young University, Provo, Utah

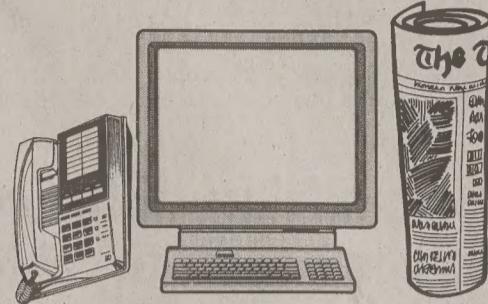
Today

21
March
1994

• Counseling and Development Center is offering free workshops at 151-A SWKT. Today's workshops are:

- Reading textbooks, 10 a.m.
- Communication skills, 1 p.m.

Vol. 47 Issue 124



The information highway: Technology makes the global village smaller

But there was the industrial revolution, then came the sexual revolution, now we are in the midst of technological revolution.

international computer networks to affordable satellite television technology of the future will change the way we do things.

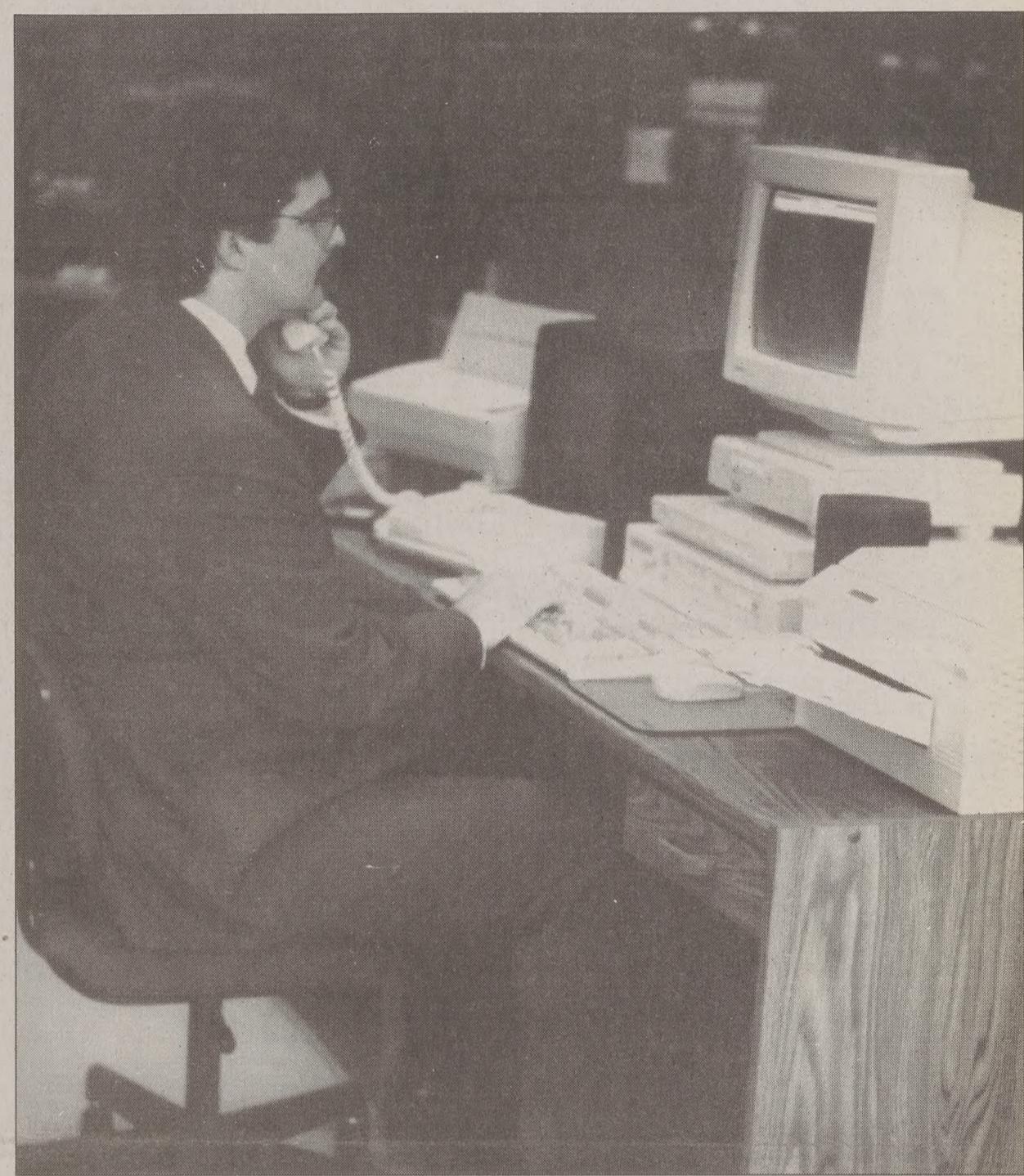
Many of those changes are for the better. The information highway will allow us to do our banking at home, lower the cost and time savings of international business and give us many more entertainment options.

Technology may be changing faster than we know how to deal

with. With hundreds of channels and thousands of bits of trivia available via the computer, there perhaps is such a thing as too much. And privacy becomes a big issue when anyone can access research information and personal business.

While we may have the technology to provide huge amounts of information, we may not yet be ready to deal with the side effects.

This week, the Monday issue will explore how our future will be altered and what will be the drawbacks and advantages of the information highway.



Tracy Helmer/Daily Universe

ALL IN ONE: Michael Wanis, manager of the Provo Radio Shack, works on one of the computers at the store. With the information highway, much of today's technology -- computers, fax machines, televisions and telephones -- will be combined to provide more information and technology through one source than America has ever had.

Information highway to alter work, shopping, entertainment

By JAMES L. AHLSTROM
University Staff Writer

Gore said that Vice President Al Gore used analogies when he coined the phrase "information highway" as a futuristic network of computer-like devices that have the potential to revolutionize the way Americans work, shop, communicate and seek entertainment.

The phrase quickly grabbed by journalists and technological industry experts. It was interpreted and analyzed incessantly. In simplest form, the phrase, "information highway" refers to a technological link similar to the existing Internet system — expanded so that virtually every American has access to the information in their homes and offices and expanded in memory so that information can travel at a speed that matches Internet capacity. In its luxury car form, the information highway would combine television, phone, computer, and cable onto one medium that may or may not be anything consumers currently gaze upon.

For the government, applications such as connecting schools, libraries, hospitals, and even the Library of Congress all onto an information highway was enticing. For the commercial sector — especially phone and cable companies — it marked the beginnings of a whole new realm of marketing strategies and products.

The question, then and now, was who would carry the burden of building the components necessary to link everyone to such a system.

how such technologies could alter society. What's new is the vigor with which the U.S. government, under Gore's leadership, is pushing for the development of this digital highway.

Gore's leadership in establishing an electronic superhighway is not confined to his brief tenure as vice president. In 1991, Gore, then a Tennessee senator, sponsored a bill to fund the possibility of expanding the National Science and Research Education Network to college campuses throughout the United States. NSREN, originally an experimental link between computers with the purpose of studying its defense applications, had proved to be an innovative way to transfer information. With funding of \$4 million in that year and \$1 million each year for four years thereafter and the agreement for the government to basically pull out of further manipulation of NSREN, Internet as we know it today was born.

For the government, applications such as connecting schools, libraries, hospitals, and even the Library of Congress all onto an information highway was enticing. For the commercial sector — especially phone and cable companies — it marked the beginnings of a whole new realm of marketing strategies and products.

The question, then and now, was who would carry the burden of building the components necessary to link everyone to such a system.

In its luxury car form, the information highway would combine television, phone, computer and cable services into one medium that may or may not look like anything consumers currently gaze upon.

Until recently, cable and telephone wiring was strictly copper, and copper doesn't possess the capability to carry enough information to support a superhighway.

Enter Al Gore and political speak.

Initially in Gore's mind there was no question that the government must be active in building this system. Speaking to Ken Auletta of The New Yorker magazine, he remembered his days as a boy when his father presided

over the Senate committee responsible for instigating today's interstate system.

"I remember sitting in the room when they voted to make the signs green on the interstate system," he muses.

To Gore, the comparisons were obvious. Just as government planning and creation had created millions of new jobs and different types of jobs for the American public when it came to interstate travel, so would be the role of government in creating the highway to carry information.

Commercial giants like AT&T and Time Warner viewed construction a little differently. After all, several of the so-called Baby Bell corporations were already actively engaged in ripping out old copper, replacing it with fiber optic cabling systems.

Industry spin doctors from each of the technological companies began begging for Gore to let the private sector complete the construction of the information highway. After all, the private sector will act quicker and more effectively under the pressure of competition than the government ever could, they argued. Testifying before a house subcommittee last year, Cablelabs Pres. Richard Green said that 97 percent of U.S. homes are now within reach of fiber optic hook-up, and 61 percent are already connected.

If this is true, then why hasn't the American public seen any of the fruits of this new highway yet?

In some parts of the country people have. Perhaps the biggest obstacle to establishing the type of end-product service Gore and others envision is the lack of funds in the private sector to get the job done immediately. Many have estimated the final price tag for finishing the groundwork of the highway and shifting to new multi-media devices to be \$200 billion or more.

"The reality is that nobody knows if people really want to use any of this stuff," Tom Wolzen, a telecommunications analyst with Sanford C. Bernstein in New York, tells an Associated Press reporter. "People found no interest in the AT&T video phones of the 60s. The public may give a big billion-dollar yawn in the face of the superhighway."

Still others in the industry see demand for information highway services mounting. According to statistics provided by the market research firm Link Resources, based in New York, consumers would pay as much as 30 percent more for a video if they had the capability of choosing from a large selection of videos simply by clicking an icon on a menu from a multimedia device in their home. Further the firm concludes that consumers would pay \$4 to \$8 a month more for a cable-type service that would allow them to choose camera angles while watching a sporting

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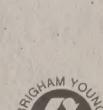
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The Universe is printed on recycled paper.

SLC to receive interactive media hookups

By TIFFANY ZWEIFEL
University Staff Writer

In a \$160 million investment, 160,000 homes and businesses in Salt Lake County will be networked for new interactive multimedia services, U.S. West Communications announced Wednesday.

The company filed an application for Federal Communications Commission approval Wednesday, but does not know when construction will begin on the project, said Duane Cooke, company spokesman.

"Utah met three stringent criteria required to deploy the network in Utah — a strong economy, a solid record of successful introductions of communications services and an improving regulatory climate," said Mark Stromberg, vice president of

U.S. West Communication Utah.

"As demand for multimedia and interactive services grow, we'll expand the network to cover more of the Salt Lake Valley and other areas in the state," he said.

Most companies working toward the superhighway are entering into mergers so cable companies can pick up telephone communication skills and vice versa, said Paul Venturella, general manager over the Provo area of TCI Cablevision. Mergers are becoming more and

more necessary as cable, computers and other information services evolve and appear to be converging into a single industry,

Cooke said.

U.S. WEST



TCI Cablevision of Utah, Inc.

occurred. The superhighway will make video, telephone, entertainment and information services available at the touch of a button, meaning better value for customers and stimulation of further innovations and competition, Cooke said.

Although the merger between TCI and Atlantic Bell collapsed, TCI is in the middle of a \$2 billion investment for development of the information highway and is still looking at joint ventures with other companies, Venturella said.

Both TCI and U.S. West also have joint ventures on the international level, Cooke and Venturella said.

TCI's current goal is to upgrade all

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Information highway to link world's computers, data together

By RACHEL SAUER
University Staff Writer

Right now, someone is ordering flowers to send to a friend in Ohio. At the same time, another person is observing a paleontology exhibit at the University of California-Berkeley. Yet another person communicates with scientists at the Kennedy Space Center and then checks the status of the coffee pot at a faculty lounge at Cambridge University.

These events, normally not remarkable, are made noteworthy because they take place on computers that are linked to various networks, which are part of the growing international network called the information highway.

"Information highway is a term coined as a result of recent legislation by the Clinton administration to improve technology," said Kelly

McDonald, executive director of University Computing Services. "The goal is to have a high-speed national computer network that links telephone and cable lines and brings information directly to consumers."

The information highway, as yet nonexistent, is the special project of Vice President Al Gore, whose affinity for highways dates back to the time when his father presided over the creation of the interstate-highway system in America.

"The information highway is part of a Utopian community infrastructure that would be modeled after the interstate-highway system," McDonald said. "One of the goals is to improve the economy by increasing information availability."

The information highway would be based on an already established computer network called Internet, which

links government agencies, universities, corporations and individuals worldwide, McDonald said.

"Internet began at least 15 years ago when people began building small computer networks and started linking them into regional and national networks," said Phillip Windley, professor in the computer science department. "It's basically a big phone line and collection of wires that links sources worldwide."

Some of the current services offered by Internet are Electronic Mail, an address on a computer network where people pick up messages sent by other computer users; Mosaic, which brings network resources together, such as the paleontology exhibit at UC Berkeley and the link with the Kennedy Space Center; and Gopher, which is a computer application to assist with worldwide information

research, Windley said.

"The information highway would be based on the Internet technology, but would bring in other mediums of communication," Windley said. "The information highway would use telephone and cable lines a lot as part of the network."

"Telephone and cable lines would be used in the sense of network lines. It's like oil pipelines that bring in specific products to a wide range of users," Windley said.

The information highway would be dynamic and constantly changing, with new sources getting on and off-line, and the web of lines being accessed at different times by different people, Windley said.

"As the information highway is developed, more and more people, businesses and institutions will be linked," McDonald said. "Its development,

ers predict linking government, research, libraries, universities, entertainment industries, private businesses, individuals, and countless other sources of information."

The applications for increasingly advanced technology are limitless for students, McDonald said.

"Students are looking at great benefits from the information highway technology," McDonald said. "The opportunities for greater scholarship will grow as libraries and universities around the planet are linked and the information is made accessible to students."

"Also, it will facilitate communication with other students and with faculty, which benefits the whole educational community," McDonald said.

The information highway will change the ways that people think about doing business, communica-

tion, entertainment and other means of daily life because the methods through which these are carried out are constantly changing," McDonald said.

"There's a lot of hype surrounding the information highway, but it's inevitable because things are moving so fast and some changes are revolutionary," McDonald said. "The changes taking place are for the good and will raise the level of information available to everyone."

"Things that were science fiction not so long ago are quickly becoming reality," Windley said. "For instance, people can watch movies on computers, and read the news and have a face-to-face conversation with someone across the world using computers; it's pretty amazing what is happening and what will happen in the very near future."



DIGGING DATA: Richard Boris, a sophomore majoring in business, uses the Gopher Internet system, which can call up research and entertainment data from all over the world.

Internet browser available on campus

By CHERYL LOTT
University Staff Writer

The Gopher computer system, a computer browsing system available at BYU, can provide a wide range of information originating from computers located from South Africa to Provo.

"Gopher is an Internet browser," said Stan Peters, manager of academic computing services at BYU.

Information from NASA, the White House, David Letterman's top-10 list, ski reports, newspapers, weather services and other universities can be browsed using the Gopher system.

During the 1994 Winter Olympics the system was updated every 15 minutes, complete with stories and photographs, said Carmen Lake, a senior from Los Alamos, N.M., majoring in recreation management youth leadership and zoology who coordinated and set up the system for BYU.

In addition to text and graphics, sounds are also available from the system. Peters said sound bites, such as a portion of an interview, can be accessed.

An advantage of Gopher is the dynamic nature of the system, Peters said.

"Everything on the network, for the

most part, is living," Peters said.

"It changes every day," Lake said. The user does not have to learn special Gopher commands because information is easily accessed from Gopher on several different computer systems, Peters said.

"Anyone can be trained (to use Gopher)," Lake said.

Another advantage of the Gopher system is that one computer becoming dysfunctional does not render the system inoperative.

Because the system is comprised of user submissions, problems are created when no one enters data.

Lake said the biggest problem she encountered when setting up the system is soliciting user submissions.

Occasionally the system may be delayed because a computer is down or a particular section is so popular that the main computer cannot respond to all who want information, Peters said.

Gopher began operating at BYU in September, Peters said.

Academic computing services has provided each department on campus with the framework to submit information, although Peters said only the computer science, math, home and social science and education departments are actively submitting data.

Another problem is a main menu of the contents of Gopher does not exist, because the system is constantly changing.

Students can gain access to Gopher through an account on the YVAX system on-campus. The cost is \$10 per semester.

The BYU computer science department has placed a map of campus on Gopher, which includes views as close as separate floors on individual buildings to an aerial view of the campus.

One school in the Eastern part of the country has developed what they call a "Coke Server." It is a program that monitors vending machines and the soft drinks available in each machine at any given time.

SOURCE: KBYU Weather Service and KSL Weather Service

Weather

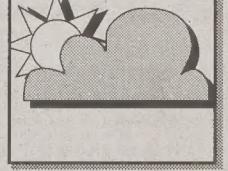
YESTERDAY
in Provo

High: 51
Low: 28

Precipitation
as of 5 p.m. yesterday

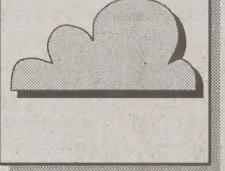
Yesterday: .54"
Month to date: .95"
Water season to date: 8.47"

MONDAY



PARTLY
CLOUDY
Breezy and warmer
with highs from
the lower to mid 60s.
Lows 35-40.

TUESDAY



CLOUDY
Mostly cloudy with a
30 percent chance of
showers. Highs from
60-65 degrees.

SOURCE: KBYU Weather Service and KSL Weather Service

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"(And the Lamb) shall make known the plain and precious things which have been taken away from them; and shall make known to all kindreds, tongues, and people, that the Lamb of God is the Son of the Eternal Father, and the Savior of the world; and that all men must come unto him or they cannot be saved..."

This is Brian Carroll's favorite scripture because it shows the importance of the Book of Mormon to establish the truth of the Bible.

Brian is:
• a freshman
• from Yorba Linda, Calif.
• majoring in broadcasting



--1 Nephi 13:40

18-inch, inexpensive satellite dishes could replace larger equipment, compete with cable companies

By EMILY SELDEN
University Staff Writer

Satellite cable transmission has now become an affordable alternative to conventional cable.

The ability to digitize and compress signals will allow 10-foot satellite dishes to be replaced with inexpensive, 18-inch dishes. The smaller dishes are expected to be available in April and sell for around \$700.

Industry analysts believe wireless transmission will be competing for the same audience as cable TV but at a reduced cost to viewers.

Analysts estimate that between five to seven million households will subscribe to wireless transmission within the first year and that twenty to thirty million households will subscribe within the next 10 years.

Cable companies will not be left

out of this technological vault, however, as they are also able to use data compression to their benefit, according to *Communication Technology Update: 1993-1994*.

"Within five years, compression technology will enable cable to offer 200-300 channels of targeted niche programming over existing cable," *Communication Technology Update* said.

Satellite transmission will provide viewers with possibilities such as movie and sport event selections from the home and special niche programming for ethnic or professional groups.

In the past, wireless cable transmission has not been a popular alternative to conventional cable due to limited frequency availability and the refusal of some leading cable programmers to provide their signals for wireless transmission, according to *Communication*

Technology Update.

These problems were resolved when the ability to compress signals allowed 300 channels to be transmitted over the same spectrum that once allowed only 33 channels. Government regulation and required cable programmers to make their services available to other multi-channel competitors, the article said.

This regulation guaranteed wireless cable systems could receive the full range of cable programming at prices comparable to those paid by cable subscribers.

Russell H. Mouritsen, associate professor in the Department of Communications, said government intervention is necessary in early stages of these technological advancements in order to prevent "megamedia conglomerates" from dominating the information superhighway.

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networks with fiber optics and to build a platform that is flexible enough to be a launching point for any direction the future takes, he said.

TCI has built the fiber optics system in Provo, and many services could be available now, but the information superhighway will have to unfold as consumers show companies that they need and are willing to pay for those services, Venturella said.

"It's going to be evolutionary and not revolutionary," he said. "Over a number of years different services will come online."

In Salt Lake County, the first things that will be available are home shopping, dial-up movies and interactive video games, Cooke said.

Although those services may soon be available, the actual superhighway which is at least national if not international, will not be developed for about a decade, he said.

U.S. West is using Omaha, Neb., as a trial area for the superhighway and will offer more services such as telemedicine, where patients can actually have physicals and consultations with doctors from home, telecommuting, being able to work without leaving home and home banking, Cooke said.

TCI is working to launch the Sega Channel, where customers can choose from about 50 video games, rather than purchase the game system and cartridges, Venturella said.

Although those services may soon be available, the actual superhighway which is at least national if not international, will not be developed for about a decade, he said.

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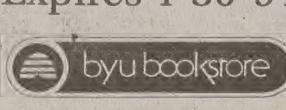
regular price varies
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selection of long shorts

regular price varies
code 309
Expires 4-30-94



Information overload, fraud, faking identity possible problems for information highway

By ANGELA HANSEN
University Staff Writer

Despite of the benefits the information highway will bring, fraud and information overload are two effects that need to be dealt with.

In addition to providing roughly 10 television channels, two-way information exchange is going to be a major function of the information highway, said Kelly McDonald, executive director of university computing services.

"Two-way information exchange will allow people to interact with government officials, schools, businesses and banks, he said.

It will shorten lines and allow people to do things without ever leaving their homes, he said.

There is a potential for fraud if interactions are done by computer rather than in person, and security measures need to be put in place to prevent this.

There will be a lot of white-collar crime if the fraud issue isn't taken care of, McDonald said.

Bank accounts will be an especially tender point if fraud occurs over two-way interactions.

We do some of this now with an automated teller," McDonald said. "The information exchange will allow more complex interactions than ATMs allow, he said.

Another potential danger of the information highway would be that lower-income people might not be able to afford the equipment needed to access it in their homes.

Nevertheless, legislators are considering making it available in schools and public libraries, McDonald said.

HIGHWAY from page 1

and have interactive options less who will score the next or whether the next batter will hit or homer. These are just a few of the services the new information highway could offer.

From a private sector view, the key to information highway construction is for technology industry to incrementally whet the appetites of consumers to pay for the services. To accomplish this,

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4/95 Seniors majoring in fields of engineering, technology, physics, chemistry, statistics, and business are invited to an introductory meeting of the cornerstone two semester course.

Tuesday, March 22, at 10:00 am in room 214 of the Crabtree Building. Refreshments.

Applications will be handed out at this meeting, and enrollment will be based on the first return of those applications.

How will you study for the

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GMAT
MCAT
or
GRE?

He said he wasn't sure if the two-way information system would be set up like cable television or like a telephone with a picture.

"It's hard to say what that will be like because there's a lot of unsettledness," he said, adding that several different industries are all trying to be at the forefront of this technology. Phone companies and cable TV are two of these, he said.

Cable TV will certainly be affected by the information highway, McDonald said. "Cable TV will grow in scope," he said.

One potential problem from the multiple channels is an information overload.

"Here in Provo we've already got 60-70 channels and it's already hard to find what you want," McDonald said.

The problem will only get worse as more channels are made available.

"That means that you've got to have some kind of 'smart TV' that will let you find what you want to see," McDonald said.

He said that instead of having a massive TV guide, people will tell their television that they want to watch "old movies," and when an old movie comes on, something like a doorbell on the TV would ring to let the person know that one of the shows they wanted to watch was on.

People would be able to watch whatever they wanted to without even knowing what station they were watching, McDonald said.

He said he didn't think that filling 500 channels would be a problem.

There are people who have something to say and want to be heard, he said.

"We're going to see things like the gun control channel and the health care channel," as a consequence, he said.

He mentioned that the channels will be very narrow in focus, and gave the example of a potential "Chinese cooking channel."

Nevertheless, the technology that will bring all this into people's homes will probably not actually appear for four or five more years, McDonald said.

The state legislature is preparing for all the many complications which the information highway may bring.

This year, it passed a bill which will set up an Information Technology Commission which will replace the task force from previous years.

The task force was reviewed yearly, said Rep. Melvin R. Brown, R-Salt Lake County, who sponsored the bill. Nevertheless, "the process is ongoing and we'd need continued scrutiny."

The commission will include representatives from the legislative, executive and judicial branches of the government, as well as representatives of public and higher education and the private sector, Brown said.

The commission will deal with how information is relayed between the public and private sectors, who can accomplish this most efficiently, and it will monitor and evaluate the whole process of establishing the information highway.

It is too early to determine how the commission will deal with specific issues such as information overload, Brown said.

introduce legislation this month, that ensures that while the private sector works to construct the information superhighway, once completed the government will see to it that four key issues are met. These include: no violations of anti-trust, universal access, fairness in the form of no intellectual property violations, and privacy.

Gore is also expected to dissolve current regulatory statutes that date back to the 1984 government-created system of seven Baby Bell phone carriers.

Presently, phone companies can be only carriers, not producers of information. Further, cable companies cannot enter the phone market and cannot own a content station in their market area. Many industry experts argue that rescinding these regulations would lead to intensified competition and therefore a better product for the consumer.

Speaking specifically about the Bell Atlantic/TCI merger, Metzenbaum has said, "Together these monopolies will form a colossus which will have a telephone or a cable wire connecting approximately forty percent of the homes in America."

Gore, conceding that government

will have only a limited role in financing the construction of an information highway, now insists its role is to prevent monopolistic practices of electronic media corporations at the expense of the consumer.

Addressing a throng of high technology companies at the University of California, Los Angeles, campus, Gore floated his most recent trial balloon: he'll see it to that the Communications Act of 1934 is amended to include provisions pertinent to today's market if industry experts in return promise to market future products in a way that doesn't preclude low- and middle-class citizens from having access to the innovations. If he fulfills his end and corporations ignore theirs, then Gore would see to it that all deals were off and stricter regulations would follow.

"The nation would thus be assured that these companies would provide open access to information providers and consumers and the benefits of competition, including lower prices and higher-quality services," he said. According to Associated Press reports, Gore finished with a challenge for executives to see to it that hospitals, schools, and libraries are linked to the highway by the year 2000.

In the meantime, Gore plans to

introduce legislation this month, that ensures that while the private sector works to construct the information superhighway, once completed the government will see to it that four key issues are met. These include: no violations of anti-trust, universal access, fairness in the form of no intellectual property violations, and privacy.

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argue that rescinding these regulations would lead to intensified competition and therefore a better product for the consumer.

Meanwhile, the dizzying pace of mergers and action toward an information highway has left industries directly and indirectly affected by such a system clamoring for answers.

Theoretically, cable, telephone, computer, studio, broadcasting, publishing, and consumer electronics industries would all be combined in some form once the information highway is as common as today's freeways.

This has left industry members searching for the way to ensure they are blended into the new system, not eaten up by it. For example, The Salt Lake Tribune recently released the Tribune On-line service where subscribers can link to a computer data bank via modem and get information from past papers, communicate to editors/reporters, and topically search for information. The San Jose Mercury News has had such a system in place for more than a year and a handful of other newspapers throughout the nation have a similar form of

service. In the arena of video sales, companies are worried that video on demand services, rumored to be the best-accepted information highway concept from a consumer standpoint, may annihilate the \$12 billion a year market. At this point, the best anyone can do in way of predictions about the future is wait and see.

The bottom line, an appropriate cliche since that's what will drive the construction of the superhighway, is that the information highway still produces more questions than answers right now. Industry experts predict that Gore's bill will likely determine the rules of the game and then the information highway construction race will really begin.

Whether that's good for the consumer or not is debatable. Walt Disney CEO Michael Eisner worries that the current pace may prove counterproductive. In a speech given to a conference of technology gurus at Disney World last September, he threw up the idea that maybe the private sector was creating and the government supporting an Orwellian society.

"In the future time that we're viewing, viewers are blessed with the great gift of interactivity, where they'll be able to stop anywhere or anytime without leaving home," he says.

"They have become couch potatoes to the tenth power. Equipped with special glasses and a headset, people use TV links to experience all sorts of events and rights and trips without ever stirring from their ergonomically designed lounge chairs. Virtual reality has now become primary reality, to put a skull around yourself so you're not at the mercy of a mean and unpredictable society. When an electronic box constantly treats you to all life's experiences, and life becomes isolating."

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Computer privacy not guaranteed

BY HEATHER MCDONALD
University Staff Writer

When users log on to the electronic superhighway, they accept an unspoken understanding that privacy is not guaranteed.

"It's kind of like a telephone," said Bryan G. Peterson, professor of physics and astronomy, referring to the "bugging" or "hacking" of communication lines.

It's not possible to prevent computer hacking entirely, he said. However, not a lot of people are doing it, and they generally get caught when they do.

"The system is fairly protected," Peterson said, "but one must accept some level of risk."

Stan Peters, manager of academic computing services, said there are ways to access listings of E-mail addresses and even content of messages.

"It is implied that my name and address be public when I use the system," he said.

For example, in February an alert was sent across the network warning users of a group that was caught monitoring the network for all logons and password changes made through E-mail.

The hackers would watch for an interesting or powerful organization to go through the system in hope of discovering how to access it.

Users who had recently logged in to their account from outside their area network were advised to change their passwords.

T.J. Humphreys, BYU's network security administration manager said the University does not experience a great deal of invasion of privacy. His work focuses on designing security rather than seeking violators.

He is building a "fire wall" into the system that would restrict outsiders from accessing the BYU network

without a password.

He wants people to understand, however, that communication through E-mail is not public property.

"If you open someone's mail, you've invaded someone's privacy," Humphreys said.

"Even an attempt to do it is just as bad."

Some universities have had more difficulty with students "masking" as someone else through E-mail, he said.

For example, a student at an Eastern school posed as a vice president and through E-mail told the university's president that he was resigning. That invasion, however, was easily recognized.

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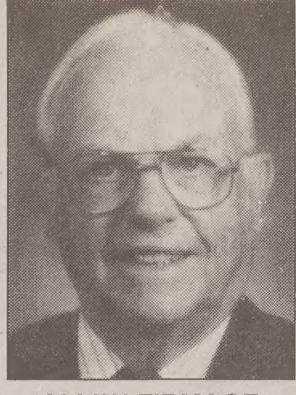
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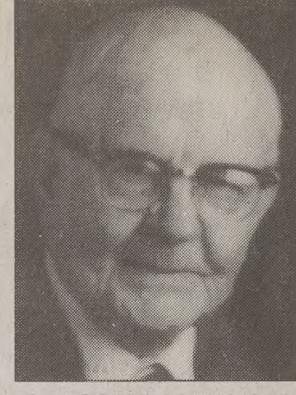
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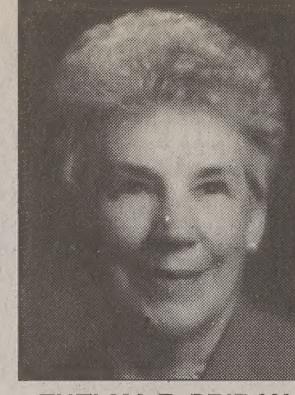
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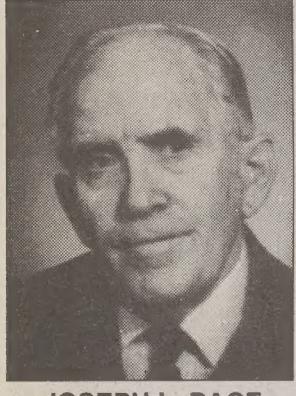
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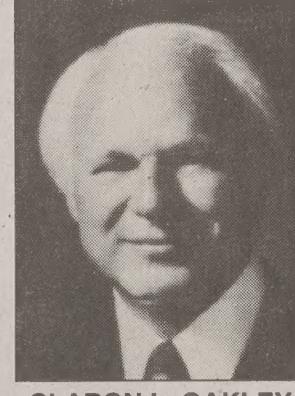
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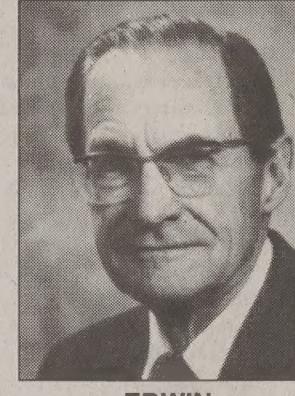
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10 BYU emeritus alumni honored at luncheon

By HANS K. MEYER
University Staff Writer

Ten members of the BYU Alumni Emeritus Association were honored Saturday at the group's annual luncheon Saturday.

"We all received great support from BYU at an important time in our lives," said Elvyn G. Jackson, president of the 5,000-member organization. "We hope people will have the same love for BYU that we have, and that it will last a lifetime."

The 10 members of the club, which includes retired faculty and former students who graduated more than 50 years ago, received the association's Special Recognition Awards for outstanding achievement.

"I'm very impressed with what this group of people has done," said Ida Smith, director of Alumni Relations. This year's recipients are Edwin Butterworth Jr., D. Allen Firmage, Roy B. Hammond and C. Rodney Kimball of Provo; Homer H. Clark, Catherine Edwards and Joseph L. Pace of Salt Lake City; Thelma F. Priddy of American Fork; Ladd R. Cropper of Ogden; and Claron L. Oakley of Glendale, Calif.

The awards committee tried to select honorees representing all the areas of the United States, all fields and both genders, Jackson said. The members of the Emeritus Association nominated 40 people, but

"we had to eliminate some to get a more manageable number. It's a great honor just to be nominated," said Jackson.

University Provost Bruce C. Hafen, the luncheon's keynote speaker, inducted the class of 1944 into the association. Jackson said he anticipates 150 to 200 people will join the association this year.

Fifty years ago, very few men were on campus, Smith said. World War II took most of the men from campus, and even influenced campus after the war was over, said Ed Butterworth, who joined the BYU journalism faculty in 1949.

"Married students lived in barracks-type buildings," Butterworth said.

The barracks and quonset huts on campus were torn down just as fast as more permanent buildings could be constructed, he added. Butterworth said the award meant so much to him because "it was a great privilege to be part of such a great development."

To Lad Cropper, the award "brings back much reflective reverence." Cropper graduated from BYU in 1932. During the depression, tuition at BYU was \$32.50, he said, and he earned the money by digging trenches at \$.35 and hour.

"It wasn't always easy, but it was worth it," Cropper said. "I encourage the kids to stick with it and get all the education possible."

Pope mourns priest's mob-related death

Associated Press

ROME — Pope John Paul II on Sunday deplored the killing of an anti-mob priest by "ruthless assassins" who shot him in the face as he prepared for Mass.

The pope, speaking in St. Peter's square, said he felt his "intense grief" over the death Saturday of the Rev. Giuseppe Diana in his church in Casal di Principe, north

of Naples. Authorities suspected the local organized crime group Camorra.

"In deplored this latest, vicious crime, I invite you to join me in prayer for the soul of this generous priest," the pontiff said.

Diana, 36, was the second anti-mob cleric to have been slain by suspected organized crime members in seven months.

SLC man sentenced for shooting friend

Associated Press

SALT LAKE CITY — David J. "DJ" Corona was sentenced to two concurrent prison terms of five years to life for the death of his friend who was shot during a fake drug deal.

Corona, 19, has admitted to setting up the bogus deal so he and Brent J. Robinson, 20, could rob 21-year-old Greg Carroll.

"There was no intention to kill him," Corona told 3rd District Judge Michael R. Murphy during his sen-

tencing hearing on Friday.

Corona claims it was Robinson who shot Carroll. Robinson has admitted he shot Carroll, but only after Corona fired first.

Forensic experts believe bullets from the victim's body show that two different weapons were used, but they are not certain.

Corona avoided the death penalty by pleading guilty to criminal homicide and aggravated robbery, both first-degree felonies.

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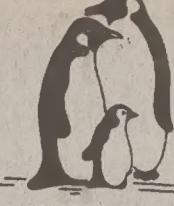
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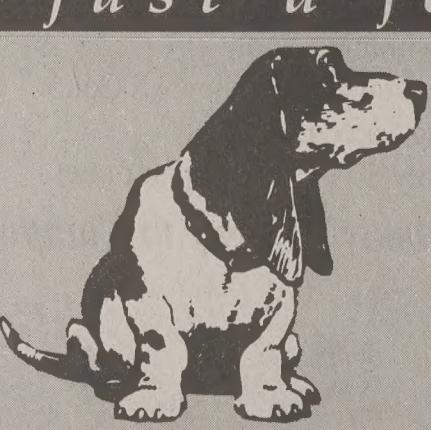
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BYU dancers
make physical
sacrifice when
missions

JACQUELINE BUHRER
Daily Universe Lifestyle Writer

"BYU athletes are often considered noble for the strength and talent they sacrifice to lose while serving missions, BYU dancers have just as much difficulty, if not more, returning their dance ability if they choose to serve missions."

"I saw some boys on the BYU basketball team that while serving their missions played basketball daily," McLaren Christensen, a graduate modern dance student. Christensen did not dance the entire time she was on her mission in Florida.

Missionaries try to stay in some sort of physical shape while serving their missions, and some of the dancers are given the rare opportunity to teach or perform.

"I have a trainer who would help me stay in shape every morning to keep my shape, even though I never did," Christensen said.

Sonnie Foutz, a senior modern dance major, said her preparation days were very active, but she did not get her dance technique exercise done.

"I had an opportunity to teach juvenile delinquents movement techniques I had learned from performing with the Impulse Dance Company," Foutz said.

"Because she was in a small town and there was a studio, Foutz had a few opportunities to enjoy teaching some modern dances, but not anything that could compare to the dancing she was involved in at BYU before her mission," she said.

"I also had an opportunity to choreograph some parts of the Hill Cumorah pageant while I was in Palmyra," Foutz said.

"The very first four months of my mission I taught a ballet class to little girls as a service project," said Diane Taylor, a ballet major recently returning from her mission.

"After that experience, I had health problems and my mission president did not let me dance any more," Taylor said.

"Also, there were less opportunities to dance because I had moved to rural areas."

"Taylor had a special experience in the few months she did get to teach because one of her LDS students was accepted to study with the Royal Danish Ballet, she said.

"Even though dancers may not get much dancing experience on their missions, these girls admitted to having a strong feeling about being able to get back into shape quickly."

"I definitely lost my flexibility and strength in dance, but I think the Lord used me to gain my ability back," Christensen said.

"I wanted to give the Lord 100 percent and not play around," she said. "I like the Lord blessed me for that."

Taylor said she felt funny, but was afraid that she did not get many opportunities to dance while on her mission.

"I did not dance for nearly the whole mission, but I had a good feeling everything would be okay and that I would be able to dance again," Taylor said.

"In the first semester and sometimes the very first class back are often try-outs for returning missionaries in dance programs."

"The first day I was in tears, but my parents were very supportive and I am lucky to have them behind me," Christensen said.

"Rex said she still has not gained back the dance strength she had before leaving for her mission, but she has done well in certain performances and is improving."

"Her talent comes back really fast in her mind it is almost a miracle, I said."

"I am already able to do things I did do before I left and Theatre Arts has asked me to tour with them so I will be performing like I did before I went on my mission," Taylor said.

"Dancers who have returned from their missions are encouraged by the faculty for being patient and helpful."

"At Debenham, a dance faculty member, was very encouraging and he really motivated me to get back into shape," Foutz said. "He brought a lot of support to the entire group."

"Phyllis Jacobson of the dance department said the department is really supportive of any student who chooses to go on a mission."

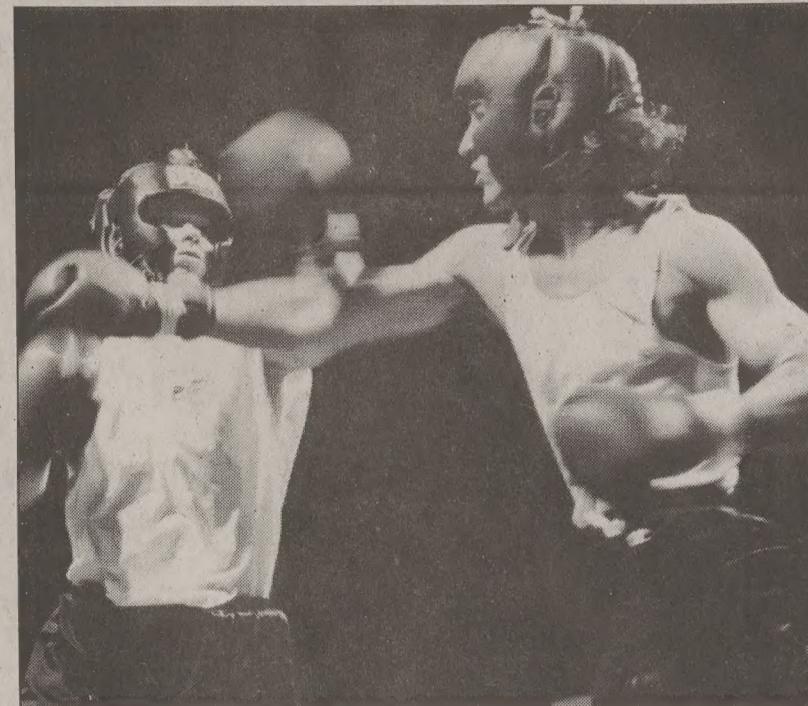
"When a dancer returns from serving a mission we help them get back into condition and we have counselors and auditions who can recommend things they should do in order to be qualified again," she said. "They bring back a maturity and desire that needs support to the entire group."

"I think going on a mission helped because I was proving to myself I could give up anything for the Lord," Taylor said. "Ballet meant the most to me and it was difficult, but I now know where my priorities are and that experience has helped me beyond what I can describe."

"These dancers prove that going on a mission is difficult and often requires giving up your greatest talent, but these terms have helped them become better people and dancers in the long run."

"It was difficult to serve the Lord, but I learned to recommit myself to a different cause for a very good purpose," Christensen said.

Lifestyle



Rana Lehr/Daily Universe

RUMBLING: Jess Hatch, left, challenges Charles Rex at "Rumble," the amateur boxing event Saturday night at Utah Valley State College.

'Rumble' knocks out Provo Saturday night

By VICTORIA PATTERSON
Lifestyle Editor

With a capacity crowd of 2,000 spectators, blood-pumping adrenaline filled the arena Saturday night as Rumble Fish Boxing Club presented "Rumble," a perilous night of amateur boxing.

"Rumble was very well promoted — they packed the house," said "Rumble" boxer Rob Diamond. "I was impressed with the whole thing."

"Rumble" drew in a variety of spectators to Utah Valley State College Saturday night. The 1957 Middle Weight Champion of the World, Gene Fullmer, was also in attendance. During his career he knocked out Sugar Ray Robinson to gain his title.

"I thought it was an explosive evening of boxing," said Pete Anderson, president of Rumble Fish Boxing Club. "I hope to find some fresh talent for next semester at the Golden Gloves tournament this weekend."

Each fight consisted of three rounds and were refereed and judged by members of the Utah Amateur Boxing Federation.

"I thought it was very well arranged and produced," said boxing announcer Charlie Freedman. "The fights were fabulous — it was hot in the ring."

"Rumble" began with the bout between Jason Jessee and Jason Lewis. Lewis was knocked down to his knees during the first five seconds, but pulled out strong winning the fight against Jessee.

"I was born to lose," Jessee said after the fight.

"I won, I got the most shots and that's what matters," Diamond said after he defeated Matt Walburger. "He (Walburger) came up after the fight and shook my hand — he was a good sport and he gave me a good fight."

One highlight of "Rumble" was the brawl between BYU students Charles Rex and Jess Hatch.

The match between Rex and Hatch was determined a draw. Rex received two points and Hatch only received one.

"I didn't think I was going to win — he had some solid punches to the head," Rex said after the match. "I got a lot of respect for him — he's a great fighter."

"It was a great fight. Chuck Rex is pretty tough — tougher than I thought he was," Hatch said. "(It was) probably the hardest thing I've ever done. The first round I thought I would be okay, but I was dying," he said.

Sean Heaps exhibited expert boxing skills during his battle against Scott Campbell. "I'm going to do my best and I think I am going to knock him out in the first round," Heaps said before the match.

Heaps' confidence paid off after he drubbed Scott Campbell, however, he didn't knock him out.

"We saw a lot of courage and a lot of grit. There were some great fighters and some heavy blows — I was surprised there weren't any knockouts," Freedman said. "It was the best event of the year."

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The Record Book

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East Regional

First Round

Thursday, March 17
Connecticut 64, Rider 46

George Washington 51, Ala.-Birmingham 46

Pennsylvania 90, Nebraska 80

Florida 64, James Madison 62

Friday, March 18

North Carolina 71, Liberty 51

Boston College 67, Washington State 64

Temple 61, Drexel 39

Indiana 84, Ohio University 72

Second Round

Saturday, March 19

Connecticut 75, George Washington 63

Florida 70, Pennsylvania 58

Sunday, March 20

Indiana 67, Temple 58

North Carolina 72, Boston College 75

Regional Semifinals

Friday, March 25

Florida (27-7) vs. Connecticut (29-4)

Boston College vs. Indiana

Regional Championship

Sunday, March 27

Semifinal winners

Southeast Regional

First Round

Thursday, March 17

Wake Forest 68, College of Charleston 58

Kansas 102, Tennessee-Chattanooga 73

Purdue 98, Central Florida 67

Alabama 76, Providence 70

Friday, March 18

Marquette 81, Southwestern Louisiana 59

Kentucky 83, Tennessee State 70

Michigan State 84, Seton Hall 73

Second Round

Saturday, March 19

Purdue 83, Alabama 73

Kansas 69, Wake Forest 58

Sunday, March 20

Kentucky 63, Marquette 75

Michigan State 74, Duke 85

Regional Semifinals

Thursday, March 24

Purdue (28-4) vs. Kansas (27-7)

Marquette vs. Duke

Regional Championship

Saturday, March 26

Semifinal winners

Midwest Regional

First Round

Thursday, March 17

Maryland 74, Saint Louis 66

Massachusetts 78, Southwest Texas State 60

Michigan 78, Pepperdine 74, OT

Texas 91, Western Kentucky 77

Friday, March 18

Oklahoma St. 65 vs. New Mexico St. 55

Tulsa 112, UCLA 102

Georgetown 84, Illinois 77

Arkansas 94, North Carolina A&T 79

Second Round

Saturday, March 19

Maryland 95, Massachusetts 87

Michigan 84, Texas 79

Sunday, March 20

Tulsa 82, Oklahoma State 80

Arkansas 85, Georgetown 73

Regional Championship

Sunday, March 27

Semifinal winners

West Regional

First Round

Thursday, March 17

Syracuse 92, Hawaii 78

Wisconsin-Green Bay 61, California 57

Missouri 76, Navy 53

Wisconsin 80, Cincinnati 72

Friday, March 18

Virginia 57, New Mexico 54

Arizona 81, Loyola, Md. 55

Louisville 67, Boise State 60

Minnesota 74, Southern Illinois 60

Second Round

Saturday, March 19

Syracuse 64, Wisconsin-Green Bay 59

Missouri 109, Wisconsin 96

Sunday, March 20

Virginia 58, Arizona 71

Louisville 60, Minnesota 55

Regional Semifinals

Thursday, March 24

Missouri (18-12) vs. Syracuse (23-6)

Louisville, Arizona

Regional Championship

Saturday, March 26

Semifinal winners

The Final Four

Saturday, April 2

East champion vs. Southeast champion

Midwest champion vs. West champion

Championship

Monday, April 4

Semifinal winners

Sports

NIT pairs WAC rivals BYU, FSU

By CRAIG CRAZE
University Sports Writer

Cougar basketball players said fans were a factor in their Thursday night win over Arizona State, but the 8,328 fans were not enough to convince NIT officials to schedule BYU's second round game against Fresno State in the Marriott Center.

The Cougars will be playing Fresno State in Fresno Tuesday night because FSU drew more than 9,000 fans to their first round game and charged more for tickets.

The decision of what teams will play in the National Invitational Tournament and where they will play is made by a committee from the Metropolitan Intercollegiate Basketball Association, said Val Hale, assistant athletic director.

The MIBA committee does not have specific guidelines for making those decisions, Hale said. However, attendance and the potential income from ticket sales are major factors in determining who has the home court advantage, he said.

"One thing we have to understand is that Fresno State sells tickets for \$12 each," Hale said. "Even though BYU brought in 8,328 spectators, Fresno State brought in twice as much money."

After Thursday's game, Coach Reid said he was disappointed by the potential of having to play at Fresno State. It would be a tragedy for this basketball team to go down and play in Fresno in front of a crowd of only 11,000, he said.

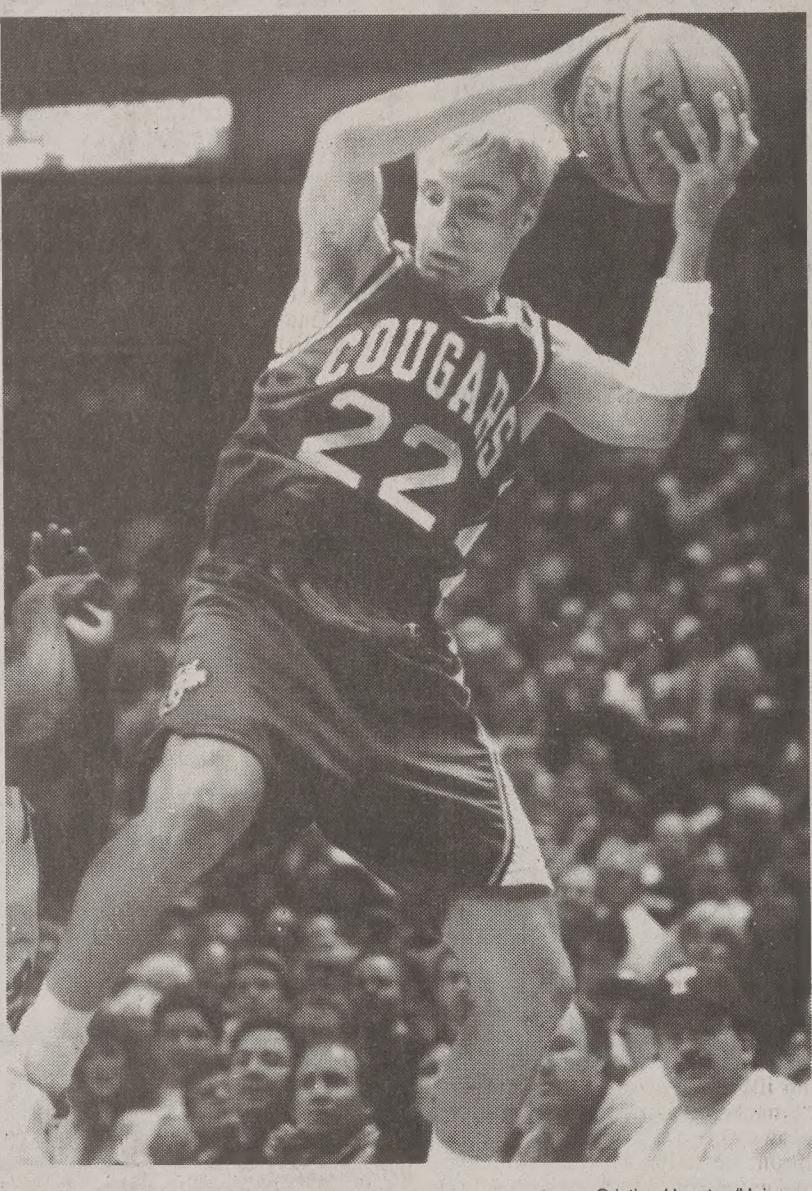
Although Reid said he was disappointed by the number of fans attending the ASU game, he was impressed by the quality of the fans that were there.

"The fans were great tonight," Reid said. "We got fans that wanted to be there."

"I thought there were 22,000 fans," he said. "They were loud and were standing up and cheering."

BYU's players also said the fans helped motivate them against ASU after a disappointing week caused by not getting into the NCAA tournament.

"All week we were down about being out of the NCAA tournament," said Craig Wilcox. "Game time came



SAVE: Randy Reid saves the ball in the WAC tournament game against Fresno State. The Cougars travel to Fresno to play the Bulldogs for the fourth time this season on Tuesday night. BYU is 2-1 against FSU this season.

and we stepped it up."

Kenneth Roberts said the 8,328 fans were as loud as the crowds at soldout games. "It was the diehard fans that supported us," Roberts said.

Hale said BYU has an excellent chance of another home game if the Cougars beat Fresno State Tuesday night.

If BYU wins, they will play the win-

ner of the Gonzaga/Kansas State game.

Because Gonzaga only has a small arena and Kansas State only drew 2,600 spectators to their first round NIT game, Provo would be the probable location for the third round game, Hale said.

"The fans were a factor in the game," said Shane Knight.

Volleyball team sweeps Loyola Marymount

By AMEE WALKER
University Sports Writer

The fourth-ranked BYU men's volleyball team improved its record to 11-4 overall and 9-4 in conference play with a two-match sweep of 15th-ranked Loyola Marymount last weekend.

The Cougars clinched Friday night's victory in three games, 15-8, 15-4, 15-4. Coach Carl McGown rotated 12 of the team's 13 players into the game.

McGown said he is giving a wide range of players game time to assure that they mesh well as a team.

"Our guys are a lot more alike than they are different," McGown said.

Senior middle blocker Ethan Watts hit .692 for 10 kills to lead the Cougars. Junior middle blocker Kevin Hamby added 12 kills, while senior setter Jason Watson chipped in with 36 assists.

Loyola Marymount hit .375 for 105 team kills. The losses dropped the Lions to 5-14 overall and 4-9 in

league play.

BYU will meet third-ranked USC Wednesday in the Smith Fieldhouse. McGown said the Cougars are eager for the matchup.

"It's not often that you get to watch two top-five teams play," McGown said. "UCLA just beat USC decisively, which makes us think that we can beat them decisively too."

Junior outside hitter Scott Larkin hit 100 percent for 17 kills. Hamby added 28 kills, four digs and seven blocks. Watts hit .807 to contribute 22 kills, while freshman Brad Goldston chipped in with 11 kills and eight digs.

Loyola Marymount hit .375 for 105 team kills. The losses dropped the Lions to 5-14 overall and 4-9 in

The Heritage Edition

Who: Everyone and everything from students to HBLL policy and the Richard's Building handstamp.

What: It's a special edition of The Daily Universe containing information on where BYU has been and where it's heading.

When: On Thursday, March 24, The Heritage Edition hits the newsstands (or is it blue news boxes?).

Where: You can pick up The Heritage Edition at any of The Daily Universe boxes across campus (what is even better is it's free).

It's About BYU.

BYU Sports Calendar

Mar 21	M Tennis	vs. San Jose St.	San Jose
Mar 22	W Tennis	vs. Clemson	Provo
Mar 22-4	M Tennis	vs. Cal-Berkley	Berkley, Hi
Mar 23	M Volleyball	vs. Wahine Inv.	Kaneohe, Hi
Mar 25	W Tennis	vs. SDSU	Provo
	Baseball	vs. Air Force	Albuquerque
Mar 25-6	M Volleyball	vs. UC Santa Bar.	Provo
Mar 26	M&W Track	Arizona St. Inv.	Tempe
	W Gymnastics	vs. Utah	Fresno
Mar 29-30	W Tennis	vs. San Diego	San Diego
	Baseball	vs. New Mexico	Albuquerque
	M Golf	vs. Utah	SLC
		Fresno Tourney	Fresno

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7:30 pm
2 pm
11 am
2 pm
7:30 pm
all

Thelin dominates boards

Universe Services

Following a triumph on the 1-meter springboard Thursday night, BYU diver Vanessa Bergman Thelin wrapped up her collegiate career at the NCAA Women's Swimming and Diving Championships Friday afternoon by adding one more All-America citation to the six she already owns.

Thelin placed 10th after preliminary rounds on the 3-meter board with 450.75 points to earn honorable Mention All-America honors. She was 3 1/4 points away from qualifying for the finals Friday night.

In the morning swimming sessions, Cougar senior Jill Teepleas two-hundredths of a second shy of making All-America in the 100 I.M. and of advancing to the finals.

Teepleas covered the distance in 22.03 to place 17th of 38 swimmers in the event. She had qualified for the NCAA's with a WAC record of 4:19.46.

Freshman Amie Nielsen of West Jordan, an alternate who was inserted into the championships on short notice, failed to reach the finals in the 100 butterfly with her clocking of 56.99. She placed 5th of 39 contestants.

"I'm proud of both of our swimmers," said BYU coach Stan Crump. "Jill was so close to making the finals with a very good



VANESSA BERGMAN THELIN

time."

"Amie hadn't broken 57.00 before the WAC championships, and now she's done it three times," said Crump. "She had a nice swim and being at nationals is a good experience for her. She will have something to shoot for next year."

Johansen, Jaster make provisional marks

By DAVID SCHREINDL

Universe Sports Writer

BYU's men's track team ran through stiff winds in Tucson this weekend as they competed in their outdoor meet of the season.

Mark Johansen and Rick Jaster led BYU's performances, finishing first and second in the steeplechase, running in times of 8-minutes, 50.67-seconds and (8:52.19) respectively, both qualified provisionally for NCAA's National Outdoor Championships.

"I was kind of surprised to run as I did this early," Johansen said. "It was just the first meet and we're just going out to test the r-

team's other first place finishers were Iain Hunter in the 800-meter run with a time of 1:52.80 and Mark Godfrey in the triple jump.

Also placing for BYU were Mike Jones, second in the 400-meter hurdles and third in the 110-meter high hurdles; Lynn Jackson, fourth in the javelin; Lance Greer, fourth in the high jump; and Tyler Anderson, sixth in the 100-meters.

Head Coach Willard Hirschi said before the meet that this meet, "should be an eye-opener as to where we're at, running outdoors is a lot different than running indoors."

Team scores were not tallied as BYU raced against Illinois, Eastern Michigan, Boise State, Weber State, Idaho and Arizona.

Women tracksters fare well in Tucson

By JEFF HANSON

Universe Sports Writer

Belinda Boice and Petra Juraskova braved bad weather in Tucson, Saturday as they qualified provisionally for the NCAA outdoor championships in the Willie Williams Track and Field championship.

This is the first outdoor meet of the year, came just seven days after the national indoor meet in Indianapolis. With the meet being shortened because of rain Friday night, some events such as the discus throw for men and women were canceled.

But the weather did not stop Boice, who took second place in the high jump with a mark of 5-feet-10 3/4. "I was really excited," Boice said. "I feel good jumping outside. I seem to jump better outdoors."

Juraskova, coming off a disappointing meet in Indianapolis, rebounded with a shot put mark of 47-6 1/4, good enough for first place in the team scoring meet.

Cougar sophomore Janeth Caizalitin, the 1993 WAC Cross Country Runner of the Year, won the 10-meter run with a time of 34.98. Caizalitin redshirted for the season.

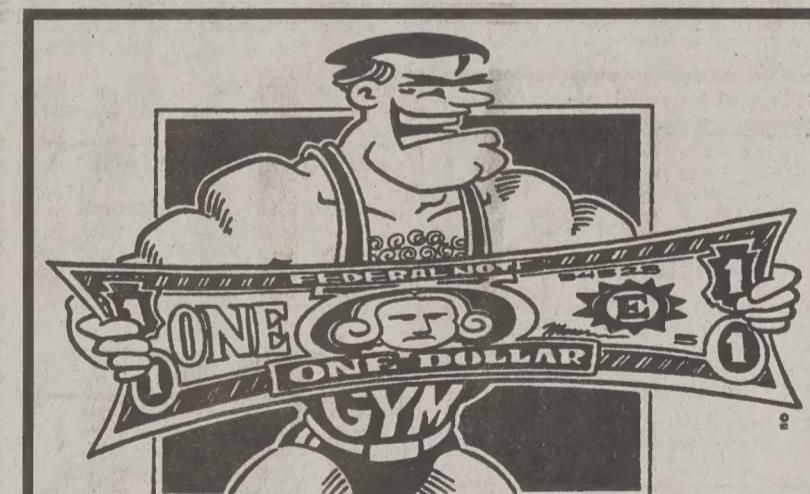
Other indoor redshirt who was

back in uniform was Marty Aparicio, who took third in the event with a time of 10:06.89.

Second place winners for BYU were Dena Burrows in the 100-meter dash, Julie Bennion in the 400, and Carolyn Keyes in the 800.

Third place finishers were Melissa Balderas in the 800 and 1500, Julie Richardson in the javelin throw, Catherine Johnston in the 400-meter hurdles, and Rachel Secret in the 5000.

BYU's next meet will be at the Arizona State Invitational Friday and Saturday in Tempe, Ariz.



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Baseball team starts strong, ends slow

Universe Services

SEATTLE, Wash.—The BYU baseball team went 1-2 during last weekend's College Baseball Classic in Seattle, Wash., beating host Washington Thursday before dropping Friday's and Saturday's games to Gonzaga and Notre Dame, respectively. The Cougars record is now 11-8 heading into this weekend's WAC opener against New Mexico.

BYU 12, Washington 6—The Cougars used a nine-run explosion in the eighth inning to upset the Washington Huskies 12-6 in the first game of the College Baseball Classic in the Kingdom.

The Cougars were down 4-3 entering the eighth inning, but sent Husky reliever Sean Spencer to the showers in a hurry. BYU capitalized on Spencer's four walks, dishing

out five hits for eight runs.

Junior Ryan Hall, entering the contest with a .533 batting average, continued his torrid pace with a two-for-four performance, including three runs and two RBIs. Corey Francom added two doubles and scored twice. Steve Cooper also contributed with a double that brought in two runs.

Shane Bloomfield pitched a solid game, but reliever Jorge Jaime was credited with the win. Bloomfield pitched five innings, allowing nine hits and four runs. Jaime shut out the Huskies until the ninth inning, giving up two runs

on three hits.

The Cougars did what only one team has done all year: beat Washington. With the loss, the Huskies dropped to 13-2.

Gonzaga 9, BYU 4—Gonzaga turned a close game into a rout in the ninth inning, as they scored six runs and overcame the Cougars, 9-4.

The ninth-inning onslaught was largely due in part to BYU's poor fielding. The Cougars committed five errors, leading to three unearned runs.

Brian Knoll took the loss despite allowing two earned runs on five hits and striking out five Bulldog batters.

Junior Jared Bills provided three hits in as many at-bats and two RBIs. The Cougars only managed seven hits as a team.

Notre Dame 7, BYU 2—Notre Dame defeated BYU Saturday in the College Baseball Classic, 7-2, behind the pitching of Tom Price.

Price went the distance and struck out six Cougar batters, while surrendering no walks. The Fighting Irish committed three errors, but secured five runs in the third inning at the Kingdom. Matt Haas and Mark Mapes each had doubles in that inning.

First baseman Steve Cooper helped account for one of the Cougars' runs in the third inning on the first of his two doubles.

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6 BYU stakes reorganized during Sunday conferences

By ERNEST GEIGENMILLER
Campus Editor

Six BYU stake presidencies were reorganized Sunday under the direction of Elders Neal A. Maxwell and Richard G. Scott, both members of the Quorum of the Twelve Apostles of The Church of Jesus Christ of Latter-day Saints.

In three separate conferences, (in two stake increments) the presidencies of BYU's 1st, 3rd, 6th, 7th, 8th and 13th stakes were released and six new presidents and their respective counselors were called and sustained. Two conferences were held in the Marriott Center; one was held in the Smith Fieldhouse.

In a conference presided by Elder Maxwell, Noel B. Reynolds was called and sustained as president of the BYU 1st stake. His counselors are Bruce D. Porter and E. Arthur Sandgren. Mark Howard, Dennis Butterfield and R. K. Monson were released. Butterfield had spent 20 years in the service of BYU wards and stakes. Elder Maxwell said "it was time for him to be in a residence ward."

Clayne L. Pope was called and sustained as president of the BYU 3rd stake. His counselors are Dale A. Whitman and Donald Q. Cannon. Lee Tom Perry, Richard Brady and Michael Theobald were released from their callings.

In a conference presided by Elder Scott, D. Clive Winn was called and sustained president of the BYU 7th stake. His counselors are Paul McKinnon and Devin G. Durrant. President Alan Wilkins, Paul D. McKinnon and D. Clive Winn were released from the previous presidency.

From the BYU 13th stake, David B. Galbraith was called and sustained president; his counselors are Thomas G. Plummer and D. Kelly Ogden.

Joseph A. Cannon was called and sustained president of the BYU 6th stake. His counselors are Herbert E. "Bud" Scruggs and Vern D. Sommerfeldt. They are replacing Terrance Olson, Jay Westley Sherwood and R. Wayne Hansen.

Douglas G. Marriott was called and sustained president of the BYU 8th stake. His counselors are Robert C. Patch and R. Bruce Darrett. They are replacing Stuart W. Slingerland, K. Newell Dayle and J. Phillip Freestone.

All members of the outgoing and newly-called presidencies expressed their gratitude to be able to serve in the Church. Several wives gave farewell talks and also expressed their gratitude, pointing out the struggles and blessings of having husbands away fulfilling their church callings.

"I love this gospel and I love what it does for our family," said Sis. Caroline Perry.

Concluding the 10 a.m. Marriott Center conference, Elder Maxwell addressed features of the Atonement. "It's the central act of human history," he said. "... It's infinite in that it required a God with power over life and death ... it would require infinite suffering on the part of Jesus Christ..."

Elder Maxwell spoke of the great suffering and pain of the scouring the Savior went through.

"He understands the full range of human suffering," he added. "His atonement is the centerpiece of it all."

Elder Maxwell said if people understand the plan of salvation, even under dark clouds, "we can have sunshine in our soul."

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U.S. seeking U.N. trade sanctions against North Korea because of nuclear facilities

Associated Press

WASHINGTON — The United States is preparing to seek U.N. trade sanctions against North Korea because of that country's recalcitrance on nuclear weapons inspections, Secretary of State Warren Christopher said Sunday.

And he predicted China would not block such sanctions despite its recent quarrel with the United States over human rights because it is in China's national interest that North Korea not become a nuclear power.

Christopher, speaking on CBS' "Face the Nation" also said the government would be talking to South Korea about basing Patriot missiles there, and reviving large joint military exercises that were to have been postponed as a gesture of goodwill to North Korea.

He said there were no immediate plans to increase the 37,000 American troops in South Korea, but "we'll be looking at that situation day in and

day out."

"We hear some fairly strong rhetoric coming out of North Korea, but we have to do what's in our interest. We have to protect our troops," Christopher said on CNN's "Late Edition." "We won't be unnecessarily provocative. We don't seek a confrontation. But we want to be ready for one."

Senate Minority Leader Bob Dole, R-Kan., told NBC's "Meet the Press" that "we may also want to beef up our own forces there" in response to what he said was "probably the most serious thing on the radar screen now."

House Majority Leader Dick Gephardt of Missouri, appearing on the same show, said, "I think we ought to have aircraft carriers in the region. We might ultimately send more troops to beef up the South Korean side."

The International Atomic Energy Agency was to meet Monday to announce findings on its recent nuclear inspection tour of North

Korea, during which the Koreans barred its agents from looking at facilities suspected of housing a nuclear weapons program.

Christopher said the IAEA would almost certainly find the inspections inadequate and report the matter to the United Nations. He said the United States would push the U.N. Security Council to pass a resolution on North Korea and ultimately is "preparing for trade sanctions."

He said that despite cool U.S.-Chinese relations, the Chinese would not use their seat on the Security Council to oppose sanctions.

"China has a very strong interest that North Korea not go nuclear," he said. "I would say that if we work at it carefully and patiently at the U.N. and bring the Chinese along, they will not block the imposition of sanctions."

Christopher defended administration policy toward China and his recent trip to Beijing when the Chinese rebuffed his ultimatum that they improve their human rights record or lose their favorable trade status.

He said the conditions set on the Chinese were "discrete and narrow" and that he was still hopeful China would take steps that would allow President Clinton to renew its most-favored-nation trading status when it comes up for review in June.

Dole, who has supported the extension of most-favored-nation status, said that if the Chinese refuse to support the United States on North Korea, "then I think we would have to go back and take another look."

Ibach began work with the Utah state parks in 1979, Hadley said.

John Ibach, park manager of the Snow Canyon State Park, is the recipient of the Outstanding Employee of the Year Award from the Utah Division of Parks and Recreation, the

division released this week.

"The reason he was given the award was because of the good person he is and the good job he has done," said Mark Hadley, information specialist for the parks division.

Ibach said the experiences he had in the Provo-area helped him build up to the position he holds today.

"At the time I was there, Utah Lake and Deer Creek were the two busiest sites in the state," Ibach said. "The experience I gained from those two sites was significant."

Hadley said Ibach has enjoyed the cooperation of community leaders, community members and park visitors, and has commended their support of the park.

Provo park manager honored by parks and recreation officials

By JERSHA BIGELOW

Universe Staff Writer

A Provo man has been named the state's top State Parks employee.

John Ibach, park manager of the Snow Canyon State Park, is the recipient of the Outstanding Employee of the Year Award from the Utah Division of Parks and Recreation, the

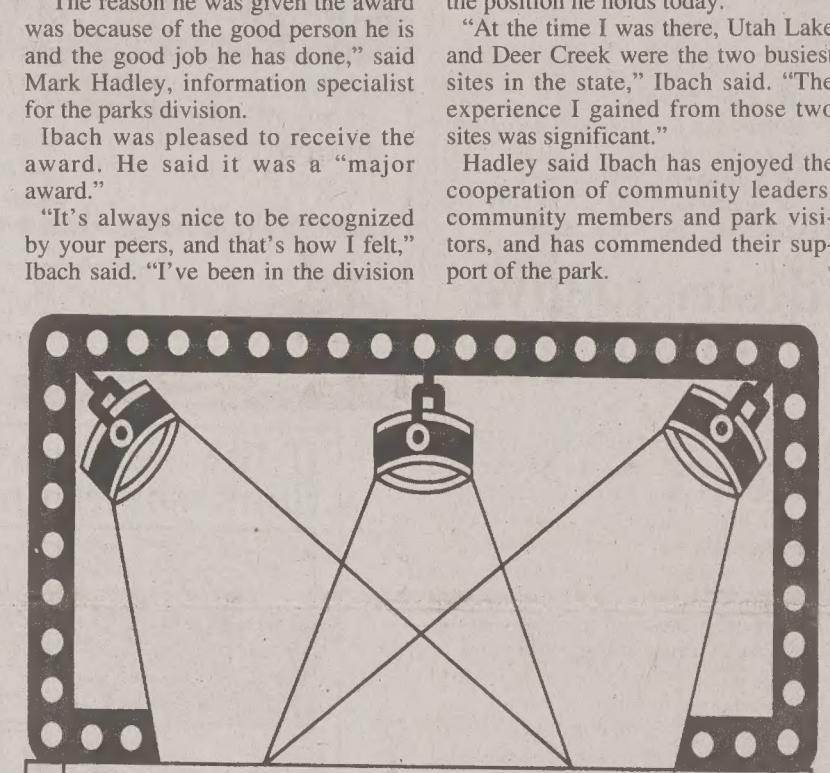
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